

LINCHEVSKIY, Vadim Pavlovich, prof. [deceased]; RAVICH, M.B., prof., red.; TSUKHANOVA, O.A., kand.fiz.-matem.nauk, red.; VAGIN, A.A., red. izd-va; ISLEHT'YEVA, P.G., tekhn.red.

[Fuel and combustion] Toplivo i ego szhiganie. Izd.3., ispr. i dop. Pod red. M.B.Ravicha i O.A.TSukhanovoi. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 398 p.
(MIRA 12:11)

(Fuel)

(Combustion)

KASHUBA, B.P.; KOVAL', I.A.; VAKHTEL', V.Yu.; DONDE, V.N.;
YEREMENKO, B.S.; ZELIKOVSKIY, L.M.; KARMAZIN, E.I.;
LINCHEVSKIY, V.V.; OGIY, G.Ye.; SEPITYY, V.T.;
PESTRYAKOV, A.I., red.

[The T-74 tractor; its design, operation and maintenance]
Traktor T-74; konstruktsiya, ekspluatatsiya, ukhod. Mo-
skva, Kolos, 1964. 204 p. (MIRA 18:4)

LINCHEVSKIY, V.V.

Setting the angle of advance of fuel injection into the cylinders
of the D-54 engine. Torf.prom. 32 no.3:17-20 '55. (MLRA 8:6)

1. Khar'kovskiy traktornyj zavod.
(Diesel engines--Fuel systems)

ANDRUSENKO, P.I.; MAYEVSKIY, O.G. [Maiev's'kyi, O.H.], kand.tekhn.nauk;
LINCHEVSKIY, V.V. [Linchev's'kyi, V.V.], inzh.

KHTZ-UNDIMESG single-plunger fuel pumps. Mekh.sil'.hosp.
10 no.11:29-32 N '59. (MIRA 13:3)
(Fuel pumps)

KASHUBA, B.P.; DONDE, V.N.; ZELIKOVSKIY, L.M.; KARMAZIN, E.I.;
KUT'KOV, G.M.; LINCHEVSKIY, V.V.; OGIV, G.Ye.; SEPITYY,
V.T.; SKVORTSOV, V.F.; BANIJKOV, S.A., red.; PESTRYAKOV,
A.I., red.; BALLOD, A.I., tekhn. red.; GUREVICH, M.M.,
tekhn. red.

[The T-75 tractor; design and operation] Traktor T-75;
ustroistvo i ekspluatatsiya. Moskva, Izd-vo sel'khoz. lit-
ry, zhurnalov i plakatov, 1961. 335 p. (MIRA 15:2)
(Tractors)

VODOLAZHCHENKO, Yu.T.; BELOUS, D.A.; GOLUBCHIK, S.F.; LINCHEVSKIY,
V.V.; PERETRUTOV, V.L.; YAKINENKO, I.A.; CHICHEVA, L.I.,
red.;

[Dismantling and assembling the DT-20 tractor] Razborka i
sborka traktora DT-20. Moskva, "Kolos," 1964. 174 p.
(MIRA 17:8)

BULGARIA/Analytic Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khim., No 23, 1958, 77240.

Author : Linchinski Al.

Inst : Institute of Chemistry and Technology.

Title : Quantitative Determination of Thallium by Method of
Internal Electrolysis by Deposition of Trivalent
Thallium Oxide on Anode.

Orig Pub: Godishnik Khim.-tekhnol. in-t, 1956 (1957), No 1,
67-76.

Abstract: See RZKhim, 1957, 77345.

Card : 1/1

66

LIMCHUK, K.F., inzhener.

Refractometric determination of fat in foodstuffs. Masl.-zhir.prom.
17 no.12:12-13 D '52. (MLRA 10:9)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya Ukruglav-
raszhirmaslo.

(Oils and fats--Analysis) (Refractometry)

LINCHUS, A.A. [Lincius, A.]

Distribution of heavy mineral concentrates on the barrier beaches
in the Kursiu-Neringa and their granulometric composition. Trudy
AN Lit. SSR. Ser.B no.1:57-53 '65. (MIRA 18:7)

1. Institut geologii i geografii AN Litovskoy SSR.

CZECHOSLOVAKIA

CERMOHORSKY, M.; CMEPELIK, J.; LINCIOVA, D.; WENKE, K.; Pharmacological Institute, Faculty of General Medicine, Charles University (Farmakologicky Ustav FVL KU), Prague.

"The Problem of Relationship in Interactions of Sympathomimetics and Sympatholytics in Influencing Lipomobilization".

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, pp
511 - 512

Abstract: Epididymal fatty tissue of rats was used in experiments *in vitro* to determine the influence of nicotinic acid (1×10^{-5} M to 1×10^{-2} M) on noradrenalin lipomobilization. In concentrations above 1×10^{-4} an antagonistic non-specific action was observed. Beta-sympathomimetics and beta-sympatholytics influence adrenalin lipomobilization specifically; other substances, such as alpha-sympatholytics, nicotinic acid, do not influence lipomobilization specifically. 4 Western references. Submitted at 11 Days of Pharmacology at Smolenice, 16 Feb 66.

1/1

LINCOVA, L., promovany ekonom; ROZSYPAL, O., promovany ekonom

Changes in the standardization of the stock of metallurgical
products. Podn org 17 no.94428-430 S¹63

LINCOVA, L., promovany ekonom

"Records and analysis of the use of materials" by B.
Partyk. Reviewed by L. Lincova. Podn org 18 no. 3:
143-144 Mr '64.

FODOR, Sandor, dr.; KORONKAI, Bertalan, dr.; LINCZENYI, Adorjan, dr.
VIKAR, Gyorgy, dr.

Cases of organic diseases simulating functional disorders. Orv.
hetil. 102 no.9:414-417 26 F'61.
(NEUROSES diag)
(CORONARY DISEASE diag)

LINCZENYI, Janos

A New Year's gift to car drivers and motorcyclists. Auto
motor 12 no.2:8 Ja '59.

1. A Koolajipari Troszt kereskedelmi osztalyanak vezetoje.

LIND A.B.

121-4-11/32

AUTHOR: Lind, A.B.

TITLE: A Differential Pneumatic Gauge (Pnevmaticheskiy differentsiyal'-nyy izmeritel'nyy pribor)

PERIODICAL: Stanki i Instrument, 1958, No.4, pp. 24 - 25 (USSR)

ABSTRACT: A differential pressure gauge, designated 6B-384, developed at the Interchangeability Office (Byuro vzaimozamenyyayemosti) is illustrated and described. The unit consists of a base, carrying the filters and stabilisers, the air distribution block with pressure-measuring bellows and a geared lever mechanism with dial indicator. The instrument is used with compressed air from the shop mains. Scale divisions indicating between 0.2 and 1 μ can be arranged in practice. Measuring set-ups for single diameter measurement with a balancing pressure device or for ovality measurements are illustrated. The overall error does not exceed 0.5 μ .

There are 4 figures.

AVAILABLE: Library of Congress
Card 1/1 1. Pressure gauge-Design

SOV/121-58-8-10/29

AUTHORS: Larichev V.N., Lind A.B. and Morozov I.K.

TITLE: A Pneumatic Device for the Inspection and Sorting of the Housings of Live Centres (Pnevmaticheskiy pribor dlya kontrolya i sortirovki korpusov vrashchayushchikhsya tsentrov)

PERIODICAL: Stanki I Instrument, 1958, Nr 9, pp 27-28 (USSR)

ABSTRACT: A pneumatic device is described, developed by the Office for Interchangeability of the Standards, Measures and Measuring Instruments Committee (Byuro Vzaimozamenyemosti komiteata standartov, mer i izmeritel'nykh priborov) under the designation BV-780 in order to inspect the fitting dimensions of the housings of live centres for lathes. Each of the two inspected hole diameters is sorted within the allowable limits into four dimensional groups, thus creating 16 groups. The maximum value of the mean diameter determines the group. The diameter and the deviation from the cylindrical form are measured by two pairs of nozzles arranged at right angles. The distance between nozzles is about 55% of the length of the bore. Fig 2 shows the pneumatic circuit. The air is filtered and

Card 1/2

SOV/121-58-8-10/29

A Pneumatic Device for the Inspection and Scrtng of the Housings
of Live Centres

stabilised, and then proceeds to the distributor containing the intake nozzles with a diameter so chosen that the measuring pressure fed to the pneumatic plug is half the working pressure. The pneumatic plug is a two-step cylindrical plug and inspects simultaneously two fitting diameters and the shape deviations (ovality and conicity). It is connected to an 8 contact differential mercury transmitter operating by the counter-pressure method. In one of the transmitter chambers a constant pressure is maintained. The other chamber has its pressure varied depending on the outflow from the pneumatic plug. Calikratlon is carried out with the help of a master component.

There are 3 figures

Card 2/2

S/121/60/000/007/006/011

AUTHORS: Kurochkin, A.P., Lind, A.B., Tsirul'nikov, I.M.TITLE: Assemblies of Pneumatic Measuring Systems

PERIODICAL: Stanki i Instrument, 1960, No. 7, pp. 25-27

TEXT: The Byuro vzaimozamenyayemosti (Office of Interchangeability) carried out investigations of filtering materials used in Soviet and foreign filters of various design in order to develop a new two-stage air filter. The investigations showed that most of the filters do not meet the requirements, since the greater part of the contaminated air, taking the course of least resistance, bypasses the filtering material and passes between filtering material and filter walls. As a result of the investigations, the Office of Interchangeability together with the "Kalibr" Plant has developed the TΦ (TF)-17-11 two-stage air filter, operating in the first stage with glass wool and in the second stage with the ΦΠΠ (FPP)-15-1.5 grade filtering material. The authors give a detailed description of the filter operation and cite technical data. Simultaneously, investigations were carried out by the Office of Interchangeability in order to develop a new design of air pressure stabilizer, being also one of the most important units in pneumatic measuring systems.' The authors describe the design of the new TΦ (TF)-17-12

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Card 1/2

Assemblies of Pneumatic Measuring Systems

S/121/60/000/007/006/011

stabilizer with booster and gives technical and operational data. Filter and pressure stabilizer are also manufactured by the "Kalibr" Plant as one combined unit of the T ϕ (TF)-17-13 type, the overall dimensions of which are (diameter x height) 98 x 298 mm, weighing 2.17 kg. There are 2 diagrams and 1 photo.

✓

Card 2/2

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929920019-0

AKSENOV, Ya.V.; KOGAN, V.B.; KUROCHKIN, A.P.; LIND, A.B.

Device for selective sorting of plunger-pair parts. Izm. tekhn.
no. 3:7-8 Mr '61. (MIRA 14:2)
(Photoelectric measurements)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929920019-0"

LARICHEV, V.N.; LIND, A.B.

Pneumatic device for checking the plates of a gear pump. Stan.i
instr. 34 no.5:31-32 My '63. (MIRA 16:5)
(Pumping machinery--Testing)

VYSOTSKIY, A.V.; KUROCHKIN, A.P.; LIND, A.B.; TSIDULKO, F.V.;
ROSTOVYKH, A.Ya., kand. tekhn. nauk, dots., retsanzent;
KURATSEV, L.Ye., red.- ~~ind-va~~; SOKOLOVA, T.F., tekhn. red.

[Pneumatic measurements of linear dimensions] Pnevmaticheskie izmereniia lineinykh razmerov. Moskva, Mashgiz, 1963.
(MIRA 16:5)
267 p.

(Pneumatic gauges) (Pneumatic control)
(Length measurement)

MARTINSON, E.E.; LIND, A.Ya.

Thropic action of urea and its use in the treatment of neuro-trophic skin diseases. Vest. derm. i ven. 37 no.7:21-22 Jl '63
(MIRA 16:12)

1. Kafedra biokhimii Tartuskogo gosudarstvennogo universiteta
Estonskoy SSR.

LIND, A.~~E.~~.

Oak

Morainic oak. Priroda 41, no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, SEPTEMBER 1952
1953 Unclassified.

LIND, A.E., kandidat biologicheskikh nauk

Fumed oak. Priroda 46 no.3:116 Mr '57.

(MIRA 10:3)

1. Michurinskiy gosudarstvennyy pedagogicheskiy institut.
(Michurinsky District-Oak)

LIND, A.E., kand.biol.nauk

Making visual aids from mushrooms. Biol. v shkole no.4:87-88
J1-Ag '58. (MIRA 11:9)

1. Michurinskiy pedagogicheskiy institut.
(Mushrooms) (Visual aids)

MARTINSON, E.E.; LIND, A.Ya.

Influence of insulin on the trophicity of the gastric and pancreatic mucosa as revealed by data on the inclusion of methionine-S₃₅ protein.
Vop. med. khim. 7 no.5:475-479 S-0 '61. (MIRA 14:10)

1. The Chair of Biochemistry of the Tartu State University.
(INSULIN) (STOMACH) (PANCREAS)
(METHIONINE)

LINK, FRANTISEK

LINK, FRANTISEK. Katalog mesicich zatmeni, 1921-1951. (1. vyd.) Praha, nakl.
Ceskoslovenske akademie ved. (Astromický odbor. Publ. knec, v. 29) (Catalog of lunar
eclipses, 1921-1951. 1st ed. pratis, tables)

Vol. 2. (Measuring the density of the shadow) 1956. 101 p.

LINK, FRANTISEK

SCIENCE

Czechoslovakia

Sc: East European Accession, Vol. 6, No. 5, May 1957

LIND, H.; SILLAMAAN, H., kand. tekhn. nauk, retsenzent;
RISTOJA, J., red.

[Selection and adjustment of automatic control systems]
Automaatregulaatorite valik ja läälestamine. Tallinn,
Eesti Raamat, 1964. 162 p. [In Estonian]
(MIRA 18:1)

LIND, Kh. P.

LIND, Kh. P.: "Material on the functional biochemistry of the secretory function of the stomach". Tartu, 1955. Tartu State U. (Dissertations for the Degree of Candidate of Biological Science)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

USSR/Medicine/Biochemistry

FD-2942

Card 1/1 Pub. 17-6/23

Author : Martinson, E. and Lind, Kh.

Title : The role of the sulfhydryl groups and the dehydrogenase system
of respiration in the neuro-humoral regulation of gastric secretion

Periodical : Byul. eksp. biol. i med. 7, 20-23, Jul 1955

Abstract : Authors studied the biochemical mechanism of neuro-humoral
regulation of hydrochloric acid formation by blocking different
links of the mechanism by enzyme inhibitors such as sulfhydryl
groups, methylene blue, and maleic acid. Results proved that
the dehydrogenating part of the enzymatic system of the aerobic-
oxidizing process must be regarded as the point where the factors
which release these processes by resynthesis of macroergic com-
pounds, speed up or disturb the normal secretory functions of the
stomach. 3 references, all USSR, all since 1940, tables.Institution : Chair of Biochemistry (Head: Prof. E. E. Martinson) Tartu State
University

Submitted : 25 Dec 1954

LIND, KH P

The binding of ammonia by the gastric mucosa and the effect of glutamic acid on its secretory activity. E. E. Martinson and Kh. Lind (State Univ. Tartu). Biokhimiya 20, 533-40 (1955).—The expts. were designed to prove that the formation and secretion of HCl by the gastric mucosa is brought about by the ability of the mucosa to form HCl and to bind NH₃ and that in addn. to urease there are present in the mucosa glutamine and glutaminase. Starved cats were bled to death and the mucosa placed in 6% CCl₄-CO₂H. Amt. of preformed NH₃ in the mucosa was then

dctd. In the gastric mucosa *in vitro* amino N of glutamine averages 2.48%. Live cat were given intravenous injections of NH₃, followed immediately by injections of L-glutamic acid. Following such injections the amido N of the glutamic acid in the gastric mucosa rose to 7.24 mg. %, constituting a 192% increase. Glutamine is formed from glutamic acid in the gastric mucosa by combining with the NH₃. In another group of cats gastric secretion was stimulated by subcutaneous injection of histamine, followed at once by injection of glutamic acid, and 45 min. later the stomach was removed and studied as above. The glutamine amide N rose from 2.48 mg. % to 4.15 mg. %, or a 67%

MD

increase. This is taken as indicating that NH₃ is formed in the gastric mucosa following the stimulation of the secretory function and the ammonia so formed is bound by the glutamic acid. A dog was given 200 g. of raw beef and the gastric juice collected by the Pavlov method every hr. for 3 hrs.—Periods of secretion lasted 11-18 min., the av. total vol. of 8-hrs. secretion in 5 tests was 14.9 ml. free HCl appearing as soon as secretion began. Through another fistula L-glutamic acid was introduced into the greater stomach. This markedly affected the secretory function of the stomach, extending the period of secretion from 15 to 63 min., but the total secreted juice was reduced from 14.9 ml. to 9.6 ml. The time of appearance of free HCl was delayed and the acidity of the total gastric juice lessened. Above effects were not produced when 5 instead of 10 ml. of the glutamic acid was injected. The use of glycine failed to produce similar results. The injection into the organism of large quantities of glutamic acid prevents the accumulation of free NH₃ following gastric stimulation by binding it in the form of glutamine, thereby depressing gastric secretion.

B. S. Levine

IND, K.H.-P.

MD ✓ The effect of glutamic acid upon gastric secretion and formation of hydrochloric acid. E. E. Martinson and Kh. Lind (State Univ., Tartu). *Byull. Akad. Biol. i Med.* 40, No. 12, 6-10(1955).—Introduction of large doses of glutamic acid into the organism prevents the formation of a large amount of NH₃ which usually follows gastric stimulation. This results in depression of gastric secretion and decrease of free HCl. The reaction is specific for glutamic acid. Injection of an equimolecular quantity of glycine has the opposite effect upon gastric secretion. The ability of glutamic acid to partly suppress gastric secretion together with its harmlessness and the high tolerance of the organism towards it suggest its use in gastric hypersecretion and hyperchlohydria. A. S. Mirkin

(1)

Lind, Kh. P.

Biochemical factors of gastric secretion and its regulation.
Two-phase activity of methylene blue. Kh. Lind (State Univ., Tartu, Estonia). *Fisiol. Zhur. S.S.R.* 42, 592-6 (1958).—Feeding of methylene blue 15 min. before a meal distinctly reduced the secretion of gastric juice in the 1st 30 min., and after 1 hr. the secretion was increased owing to activation of tissue respiration by transfer of H to functioning SH groups. If the methylene blue is fed 1 hr. before a meal, the 1st phase of blocking of secretion is suppressed. The expts. were performed with dogs. G. M. K.

Linn, N.E. P.

MARTINSON, E.E.; LIND, Kh.P.

Distribution of free sulfhydryl groups in proteins of the mucosa of various parts of the stomach and the role of gastric secretion in their modifications [with summary in English] Biul. eksp. biol. i med. 43 no.2:55-57 F '57.
(MIRA 10:5)

1. Iz kafedry biokhimii Tartuskogo universiteta. Predstavlena deystvitel'nym chlenom AMN SSSR professorom A.Ye. Braunshteynom.
(STOMACH, metabolism,
sulfhydryl cpds. in proteins of gastric mucosa, eff. of
gastric secretion on site of localization) (Rus)
(GASTRIC JUICE,
secretion, eff. on sulfhydryl cpds. localization in stomach
proteins) Rus)
(SULPHYDRYL COMPOUNDS, metabolism,
stomach proteins, eff. of gastric secretion on

MARTINSON, E. , LIND, Kh., KHOLO, V.

Is urea an irreversible final product of nitrogen metabolism in the animal organism? [with summary in English]. Biokhimiia 23 no.6:835-839
N-D '58 (MIRA 11:12)

1. Kafedra biokhimii Tartuskogo gosudarstvennogo universiteta.
(UREA)
(NITROGEN METABOLISM)

MARTINSON, E.; TYAKHEPYL'D, L. [Tähepöld, L.]; LIND, A.; LIND, Kh.
[Lind, H]

Transformation of urea in the gastric mucosa. Biokhimiia 26
no. 1:3-9 Ja-F '61. (MIRA 14:2)

1. Chair of Biochemistry, State University, Tartu.
(STOMACH) (UREA)

LIND, Kh. P., (USSR)

"Biosynthesis of Sialic Acids in the Brain and
in the Mucous Membrane of the Stomach."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 10-16 Aug..1961.

LIND, Kh.P.

Biosynthesis of sialic acids in the brain and the mucous membrane of
the stomach. Vop. med. khim. 8 no.2:140-144 Mr-Ap '62. (MIRA 15:4)

1. Chair of Biochemistry, State University, Tartu.
(SIALIC ACIDS) (BRAIN) (STOMACH)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929920019-0

LIND, K.L.P. [Lind, H.]; TYASHEVYKH, L.M. [Tatevold, L.]

In memory of Professor Edward H. Martinson, 1900-1969.
Vop. med. khim. 9 no.5:65-652 N-5 '63.

(MIRA 17:10)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929920019-0"

KAPKO, Ya.T. Prinimal uchastiye: LINDA, L.Ye.

Observations of minor planets at the Lvov Astronomical Observatory.
Astron. tsir. no.194:9 Ag '58. (MIRA 12:12)

1. Lvovskaya astronomiceskaya observatoriya.
(Planets, Minor)

LINDA, M.Ya.

Public health in the Mongolian Peoples Republic. Sov.zdrav. 16 no.6:
42-49 Je '57.
(PUBLIC HEALTH
in Mongolia)

LINDA, P.: VYSIN, V.

An oscilloscope to observe the voltage in relay circuits. p. 118. (Sdelovaci Technika.
Vol. 5, no. 2, Feb. 1957. Czechoslovakia.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

LINDAUR, F.

Labeling machines, feeding and discharging attachments for bottle-washing machines
shown at the 2nd Show of Brewing Machinery in Munich.

P. 7. (KVASY PRUMYSL) (Praha, Czechoslovakia) Vol. 4, No. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) IC Vol. 7, No. 5, 1958

LINDAUER, J.

LINDAUER, J., CHLADEK, V.
"New Efficient Machines for our Food Industry," p. 34.
(Prumysel Potraviny, Vol.4, No.1, Jan. 1953, Praha.)

SO: Monthly List of East European Accessions, Vol.2, No.9, Library of Congress, September
1953, Unclassified.

LINDAUR, V. V.

USSR/Medicine - Physiology

LINDAUR, V. V.

FD 251

Card 1/1

Author : Lindaur, V. V. and Lukach, V. A. (Czechoslovakia)

Title : Methods of recording conditioned reflex salivary secretions in dogs

Periodical : Fiziol.zhur. 2, 224-226, Mar/Apr 1954

Abstract : Students of higher nervous activity have encountered difficulties in recording salivary secretion. Detailed description of an apparatus that records salivary secretion can be found in literature. This apparatus was developed by E. A. Ganike and improved by P. S. Kupalov. It became apparent to the authors of this article that additional changes were desirable. Improvements that they made enable the operator to note the exact amount of salivary secretion. The improved apparatus is a great contribution to the study of conditioned reflexes. Diagrams.

Institution :

Submitted : June 14, 1953

LINDAUR, V.; LUKAC, V.

Effect of excitation of the sensory analysors of the cerebral cortex on the force of muscular contractions. Pracovni lek.
6 no.3:149-153 Je '54.

1. Z Fysiologickeho ustavu lek. fak. KU, pobecka v Plzni.
(MUSCLES, physiology,

*eff. of excitation of cerebral cortex sensory analysors
on force of contraction)

(CEREBRAL COTTEX, physiology,

*eff. of excitation of sensory analysors on force of
musc. contraction)

LINDAUR V. V. and LUKATSH V. A.

* Method for recording conditioned salivary excretion in dogs FIZIOL. ZHURN. SSSR 1954,
40/2 (224-226) illus. 2 (Russian text)

S0: Excerpta Medica Section II Vol 7 N. 12

LINDAUR, V.; LUKAC, V.

Method of fractionated sampling of saliva for chemical analysis
and simultaneous registration of salivation in dogs. Cesk. fysiol.
4 no.2:200-203 May 55.

1. Fysiologicky ustav lekarske fakulty K.U., pobocka v Plzni.
(SALIVATION,
registration in dogs)
(SALIVA,
sampling for chem. analysis in dogs)

LINDAUR, V.

✓ Technique for fractional collection of saliva for chemical analysis with simultaneous registration of salivation in dogs. V. Lindaur and V. Lukach (Carr IV Univ. Physiol. Inst., Prague). *Physiol. Bohemoslov.* 4, 229-32(1955).—
The saliva collector, described and illustrated, is centered around a 4-tube distributor connected to 4 collection pipets, with the collection from the main bulb being accomplished not by pressure but by partial vacuum; the operation is manual.
G. M. Koslapoff

Med 2

LINDAUR, V.

1457. Effect of chlorpromazine on blood sugar. V. Lindaur
Arch. exp. Path. Pharmac., 1956, 229, 253-257 (Dept. of Physiol.,
Prague Univ., Pilsen Branch, Czechoslovakia).—In unanaesthetised
rabbits, i.v. chlorpromazine in doses of 0.25-1.0 mg./kg. delayed

the absorption of orally administered glucose, and led to the retention
of injected glucose in the circulation. There appeared to be no
direct anti-insulin effect. (German) P. MASTITZ

LINDAUR, V.

✓ Chlorpromazine and the fat content of the blood serum.

V. Lindaur and M. Černová (Karls Univ., Prague). *Arch. exp. Pulkol. Pharmacol., Naunyn-Schmiedeberg's* 230, 174-7 (1957).--Chlorpromazine increases in dogs the fat content of the serum. If administered preceding the feeding of fat it delays fat absorption considerably. A. E. Meyer.

LINDAUR, V.

Dr. V. Lindaaur and Docent Dr. A. Zeleny, "Ueber den Einfluss von Chlorpromazin auf die Toxizitaet und Stoffwechselwirkung des Acetylchclins," Die Pharmazie (Berlin), 13/2, February 1958, pp. 77-9.

Received on 24 July 1957.

The authors are affiliated with the Physiological Institute of the Medical Faculty of Charles University in Plzen (head: Docent Dr. Adolf Zeleny).

EXCERPTA MEDICA Sec 2 Vol 12/4 Physiology Apr 59

1391. RELATIONSHIP BETWEEN CHLORPROMAZINE AND ANOXIA - Lindauer
V. Dept. of Physiol., Charles Univ., Pilsen - NATURE (Lond.) 1958, 181/
4619 (1341-1342) Tables 1

The effect of chlorpromazine on polycythaemia induced in rats by exposing them to subatmospheric pressure was studied. Chlorpromazine in a dose of 10 mg./kg., as well as splenectomy and adrenalectomy, completely prevented the polycythaemia. It is suggested that the polycythaemia is a reflex response to anoxia mediated by the adrenal with the spleen as the target organ, and that chlorpromazine blocks this reflex.

Swaine - Philadelphia, Pa.

LINDBERG, A.A. (Leningrad)

Pathogenesis of the disturbance of sciatic nerve functions as a
result of intramuscular injection of medicines in the gluteal area.
Fel'd. i akush. no.9:60-61 S '54. (MIRA 7:11)

(SCIATIC NERVE)
(INJECTIONS INTRAMUSCULAR)

GAREGG, P.; LINDBERG, B.; PETROPAVLOVSKIY, G.; TEANDER, O.

Production and partial xanthation of tetrahydropyranyl- β -D-glucopyranoside.
Zhur. prikl. khim. 34 no. 12:2771-2774 D '61. (MIRA 15:1)

1. Shvedskaya issledovatel'skaya laboratoriya lesnykh produktov,
Stokgol'm. (Glucopyranoside) (Cellulose xanthates)

LINDBERG, A. A.

Con 1/14
The action of caffeine on the cerebral cortex. Alexander A. Lindberg. *Compt. rend. acad. sci. U. R. S. S. 1*, 249-53 (in German 233-6) (1915).—The effect exerted by varying doses of caffeine on both pos. and neg. conditioned reflexes in dogs was detd. Results indicate that the excitability of the nerve elements of the higher part of the central nervous system is increased but that the functional capacity of these elements is decreased and, in some conditions, is paralyzed.

R. P. Walton

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

€2

LINDBERG, B.E., prof. (Moskva, B-64, ul.Chkalova, d.14/16, kv.48.)

Elements of forming protective functions in the body following trauma
and suppurative infection. Vest. khir. 91 no.11:10-16 N '63.
(MIRA 17:12)

Leningrad, U. S.

"Geomorphology of the Bottoms of Borderland Seas of East Asia, and Prevalence of Fresh-water Fish," Iz Vses Geograf Ob-va (News of All-Union Geographic Society), No 3, 1946 (279-300).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

LINDBERG, G. U.

"The Present State of the Problem of the Origin of Submarine Valleys," Voprosy geografii, sb. 3, 1947.

U-1709, 27 Feb 52

LINDBERG, G. U.

Far East - Fishes, Fresh-Water

History of the ichthyological fauna and territory of the paleo-Ikhang Ho.
Izv. Vses. geog. ob-shva 79, No. 2, 1947.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

LINDBERG, G. U.

Lindberg, G. U. - "The history of the Pacific Ocean in light of biogeographical data."
In symposium: Pamjati Akad. S. A. Zernova, Moscow-Leningrad, 1946, p. 205-15 -
Bibliog: p. 214-15

SO: U-3600, 10 July 53, (Letopis 'Zhurnal i Nykh Statey, No. 6, 1949).

LINDBERG, G. U.

USSR/Biology
Marine Biology
Zoogeography

Sep/Oct 48

Biogeographic Methods for Studying the Quaternary Period, G. U. Lindberg, Zool Inst, Acad Sci USSR, 32 pp

Ts Ak Nauk SSSR, Ser Biol No 5

Lindberg has been studying systematics and zoogeography of fish in Far Eastern seas of USSR since 1947. Shows how bathymetric and geomorphological data helped explain distribution of fresh-water fish in subject seas. Suggests biogeographical approach.

49/49RI

USSR/Biology (Contd)

Sep/Oct 48

49/49I
would be of value in dealing with other quaternary problems. Submitted 25 May 47.

LINDBERG, G. U.

19871 LINDBERG, G. U. K faune ryb zheltogo morya. Doklady Akad. Nauk
SSSR, Novaya Seriya, t. LZBII, No. 1, 1949, s 135-88

SO: LETOPIS ZHURNAL STATEY, Vol. 27, MOSKVA, 1949.

LINDBERG, G.-U.

21630 LINDBERG, G. U. O prichine bednosti sostava fauny tipichnopresnovodnykh ryb basseyna Tikhogo okeana. Trudy Vtorogo Vsesoyuz. zoogr. s"ezza. T. 2, K., 1949, s. 211-13.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

LINDBERG, G.U.; PAVLOVSKIY, Ye.N., akademik, redaktor; BRODSKIY, K.A.,
~~redaktor~~; LICHKOV, B.L., redaktor; ZENDEL', R.Ye., tekhnicheskiy
redaktor.

[Quaternary period in the light of biogeographical data] Chet-
vertichnyi period v svete biogeograficheskikh danniykh. Moskva,
Izd-vo Akademii nauk SSSR, 1955. 334 p. (MLRA 8:12)

1. Direktor zoologicheskogo instituta AN SSSR (for Pavlovskiy)
(Paleobotany--Quaternary)

LINDBERG G. Yu.

MURZAYEV, E.M., doktor geograficheskikh nauk, redaktor; PAVLOVSKIY, Ye.N., akademik, redaktor; GRUMM-GRZHIMAYLO, redaktor; GELLER, S.Yu.; GERASIMOV, akademik; KALESHNIK, S.V.; LINDBERG, G.Yu.; MARKOV, K.E. MURZAYEV, E.M.; NIKOL'SKIY, G.V.; NIKOL'SKAYA, V.V.; OBRUREV, D.V.; SVETOVIDOV, A.N. SMIRNOVA, A.V., tekhnicheskiy redaktor

[In memory of Academician L.S.Berg; a collection of works on geography and biology] Pamiati akademika L.S.Berga; sbornik rabot po geografii i biologii, Moskva, Izd-vo Akademii nauk SSSR, 1955. 562p.
(M.RA 9:1)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent AN SSSR (for Kalesnik, Nikol'skiy, Svetovidov)
(Berg, Lev Semenovich, 1876-1950) (Biology) (Geography)

LINDBERG, G.U.

Discovery of the dragonet Draculo mirabilis Snyder (Pisces,
Callionymidae) in Posyet Bay off Vladivostok. Trudy Zool.
Inst. 18:385-388 '55. (MLRA 9:2)
(Posyet Bay--Fishes)

LINDBERG, G.U.; LIEGEZA, M.L.

Survey of fish genera and species of the subfamily Cyclopterinae
(Pisces). Trudy Zool. inst. 18:389-458 '55. (MLRA 9:2)
(Fishes)

BERG, Lev Semenovich, akademik; GELLER, S.Yu.; GERASIMOV, I.P., akademik;
GRIGOR'YEV, A.A., akademik; KALESNIK, S.V.; LINDBERG, G.U.; MARKOV,
K.K.; MURZAYEV, E.M., doktor geograficheskikh nauk, otvetstvennyy
redaktor; NIKOL'SKIY, G.V.; NIKOL'SKAYA, V.V.; OBRUCHEV, D.V.;
PAVLOVSKIY, Ye.N., akademik; SVETOVIDOV, A.N.; BOLYNSKAYA, V.S.,
redaktor izdatel'stva; KASHINA, P.S., tekhnicheskiy redaktor;
ZEMLYAKOVA, T.A., tekhnicheskiy redaktor

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akademii nauk
SSSR. Vol.1. [The history of science] Istorija nauki. 1956. 394 p.
(MLRA 9:9)

1. Chlen-korrespondent AN SSSR (for Kalesnik, Nikol'skiy, G.V.,
Svetovidov)
(Science--History)

LINDBERG, G.U.

Basic principles and methods for compiling fish location maps of
Far Eastern seas. Trudy probli tem.sov. no.6:5-14 '56.
(MLRA 9:11)

1. Zoologicheskiy institut AN SSSR.
(Soviet Far East--Fisheries--Maps)

LINDBERG, G.U.; LEGEZA, M.I.

On the two forms of the spiny dogfish (*Squalus acanthias* L. [with English summary in insert]. Zool. zhur. 35 no. 11: 1685-1688 D '56.

(MIRA 10:1)

1. Zoologicheskiy institut Akademii nauk SSSR.
(Dogfish)

LINDBERG, G.U.

Quaternary history of the Far Eastern Seas. Dokl. AN SSSR 111 no.2:422-
424 N '56.
(MIRA 10;1)

1. Zoologicheskiy institut Akademii nauk SSSR. Predstavлено akademikom
Ye.N. Pavlovskim.
(Okhotsk, Sea of --Geology, Stratigraphic)
(Bering Sea region--Geology, Stratigraphic)

LINDBERG, G. U.

AUTHOR: None Given 25-9-36/40

TITLE: On the Pages of Periodicals - "Vestnik Akademii nauk SSSR"
(Po stranitsam zhurnalov - "Vestnik Akademii nauk SSSR")

PERIODICAL: Nauka i Zhizn', 1957, # 9, p 62 (USSR)

ABSTRACT: "Vestnik Akademii nauk SSSR", # 6, 1957, publishes a communication from G.U. Lindberg, Doctor of Biological Sciences, entitled "A Fish Prospecting Map". In this article he gives a critical review of a two-volume atlas covering the waters around South Sakhalin and the South Kurile Islands and the areas suitable for commercial fishing. The atlas was prepared by hydrobiologists of the Zoological Institute of the USSR Academy of Sciences.

AVAILABLE: Library of Congress

Card 1/1

LINDBERG, G.U., doktor biologicheskikh nauk;

~~Fish location maps. Vest. AN SSSR 27 no.6:53-54 Je '57. (MIRA 10:7)~~
(~~Fisheries--Maps~~)

LINDBERG, G.U.

"Fishes of the Amur Basin" by G.V. Nikol'skii. Reviewed by G.U.
Lindberg. Zool. zhur. 36 no.7:1106-1109 Jl '57. (MLRA 10:9)
(Amur River--Fishes)
(Nikol'skii, G.V.)

BERG, Lev Semenovich, akad., red.; GELLER, S.Yu., doktor geograficheskikh nauk, otv. red.; GERASIMOV, I.P., akad., red.; GRIGOR'YEV, A.A., akad., red.; KALESNIK, S.V., red.; LINDBERG, G.U., red.; MARKOV, K.K., red.; MURZAYEV, E.M., red.; NIKOL'SKIY, G.V., red.; NIKOL'SKAYA, V.V., red.; OBRUCHEV, D.V. red.; PAVLOVSKIY, Ye.N., akad., red.; SVETOVIDOV, A.N., red.; SPRYGINA, L.I., red. izd-va; KUZ'MIN, I.F., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 2. [Physical geography] Fizicheskaya geografiya. 1958. 425 p.
(MIRA 11:11)

1. Chlen-korrespondent AN SSSR (for Kalesnik, Nikol'skiy, Svetovidov).
(Physical geography)

LINDEBERG, G. U.

Commercial bio-oceanography and its tasks. Vop. ikht. no. 10:41-51
'58.
(MIRA 11:10)

1. Zoologicheskiy institut AN SSSR.
(Fisheries--Maps)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929920019-0

LINDBERG, G.U.

"Fish morphology and hierarchy" [in Japanese] by K. Matsubara.
Reviewed by G.U. Lindberg. Zool. zhur. 37 no.1:146-147 Ja '58.
(Far East--Fishes) (Matsubara, K.) (MIRA 11:2)

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929920019-0"

LINDBERG, G. U.

"The Discontinuous Distribution of Fishes and Large Fluctuations in
Ocean Level".
report to be submitted or the Intl. Oceanographic Cong. New York City,
31 Aug - 11 Sep 1959.

(Zoological Institute of the Academy of Sciences)

LINDBERG, G.U.; LEGEZA, M.I.; PAVLOVSKIY, Ye.N., akad., glavnyy red.; BYKHOVSKIY, B.Ye., red.; VINOGRADOV, B.S. [deceased], red.; STRELKOV, A.A., red.; SHTAKEL'BERG, A.A., red.; ANDRIYASHOV, A.P., red.; SMIRNOVA, A.V., tekhn.red.

[Fishes of the Sea of Japan and contiguous areas of the Sea of Okhotsk and the Yellow Sea. Pt. 1: Amphioxii, Petromyzones, Myxini, Elasmobranchii, Holocephali] Ryby Iaponeskogo moreia i sopredel'nykh chastei Okhotskogo i Zheltogo morei. Moskva, Izd-vo Akad.nauk SSSR. Part 1. Amphioxii, Petromyzones, Myxini, Elasmobranchii, Holocephali. 1959. 207 p. (Opredelitel' po faune SSSR, no. 68). (MIRA 12:12)

1. Direktor Zoologicheskogo Instituta AN SSSR (for Pavlovskiy)
(Japan, Sea of--Fishes)

LINDBERG, G.U.; SHCHEDRINA, Z.G.; DOGEL', V.A.; RESHETNYAK, V.V.; STRELKOV, A.A.; KOLTUN, V.M.; NAUMOV, D.V.; IVANOV, A.V.; BYKHOVSKIY, B.Ye. ZHUKOV, Ye.V.; PERGAMENT, T.S.; KOROTKEVICH, V.S.; USHAKOV, P.V.; KLYUGE, G.A.; ANDROSOVA, Ye.I.; GOSTILOVSKAYA, M.G.; BRODSKIY, K.A.; GUSEV, A.V.; TARASOV, N.I.; GUR'YANOVA, Ye.F.; VAGIN, V.L.; LOMAKINA, N.B.; BULYCHEVA, A.I.; KOBYAKOVA, Z.I.; LOZINO-LOZINSKIY, L.K.; YAKOVLEVA, A.M.; GALKIN, Yu.I.; SKARIATO, O.A.; AKIMUSHKIN, I.I.; D'YAKONOV, A.M.; BARANOVA, Z.I.; SAVEL'YEVA, T.S.; SKALKIN, V.A.

List of the fauna of marine waters of southern Sakhalin and southern Kuriles. Issl.dal'nevost.mor.SSSR no.6:173-256 '59.
(MIRA 13:3)

1. Zoologicheskiy institut AN SSSR.
(Sakhalin--Marine fauna)
(Kurile Islands--Marine fauna)

LINDBERG, G.U.

Popular names of fishes. Zool.zhur. 38 no.12:1894-1896 D
'59. (MIRA 13:5)

1. Zoological Institute of the Academy of Sciences of the
U.S.S.R., Leningrad.
(Ichthyology--Nomenclature)

BERG, Lev Semenovich, akademik; MURZAYEV, B.M., doktor geograf.nauk,
otv.red.; PAVLOVSKIY, Ye.N., akademik, red.; GELLER, S.Yu., red.;
GERASIMOV, I.P., akademik, red.; GRIGOR'IEV, A.A., akademik,
red.; KALESNIK, S.V., red.; LINDBERG, G.U., red.; MARKOV, K.K.,
red.; NIKOL'SKIY, G.V., red.; NIKOL'SKAYA, V.V., red.; OBRUCHEV,
D.V., red.; PAVLOVSKIY, Ye.N., akademik, red.; SVETOVIDOV, A.N.,
red.; SPRYGINA, L.I., red.izd-va; GOLUB', S.P., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR.
Vol.3. [Central Asia. Loess] Sredniaia Aziia; Less. 1960.
550 p. (MIRA 13:11)

1. Chleny-korrespondenty AN SSSR (for Kalesnik, Nikol'skiy,
Svetovidov).
(Soviet Central Asia--Physical geography) (Loess)

LINDBERG, G.U.

Intermittent distribution of fishes and large fluctuations of the
ocean level. Trudy Okean kom. 10 no.4:14-16 '69. (MIRA 14:3)

1. Zoologicheskiy institut AN SSSR.
(Ocean) (Fishes—Geographical distribution) (Paleogeography)

BERG, Lev Semenovich, akad.; ANDRIYASHEV, A.P., [translator]; BERG, S.L., [translator]; LEGEZA, M.I., [translator]; LINDBERG, G.U., doktor biolog. nauk, otd. red.; PAVLOVSKIY, Ye.N., akad., red.; GERASIMOV, I.P., akad., red.; MURZAYEV, Z.M., red.; GELLER, S.Yu., red.; GRIGOR'YEV, A.A., akad., red.; KALESNIK, S.V., red.; MARKOV, K.K., red.; NIKOL'SKIY, G.V., red.; NIKOL'SKAYA, V.V., red.; OBRUCHEV, D.V., red.; SVETOVIDOV, A.N., red.; STRMIKOV, A.A., red. izd-va; SMIRNOVA, A.V., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR. Vol.4. [Ichthyology] Ikhtiologiya. 1961. 746 p.
(MIRA 14:5)

1. Chlen-korrespondent AN SSSR (for Kalesnik, Nikol'skiy,
Svetovidov)
(Ichthyology)

LINDBERG, G.U.

Connections between European and North American rivers and the North
Atlantic gap. Zool. zhur. 40 no.5: 651-665 '61. (MIRA 14:5)

1. Zoological Institute, U.S.S.R. Academy of Sciences, Leningrad.
(Fishes—Geographical distribution)
(Continents)

LINDBERG, G.U.; STRELKOV, A.A.

"Japanese zoological encyclopedia with illustrations in color." Zool.
shur. 40 no.7:1116-1117 J1 '61. (MIRA 14:7)
(Zoology--Dictionaries) (Japanese Language--Dictionaries)

BERG, Lev Semenovich, akademik; NIKOL'SKIY, G.V., otv. red.; OBRUCHEV,
D.V., doktor biol. nauk, otv. red.; GELLEN, S.Yu., red.;
GERASIMOV, I.P., akademik, red.; GRIGOR'YEV, A.A., akademik,
red.; KALESNIK, S.V., red.; LINDBERG, G.U., red.; MARKOV, K.K.,
red.; MURZAYEV, E.M., red.; NIKOL'SKAYA, V.V., red.; PAVLOVSKIY,
Ye.N., akademik, red.; SVETOVIDOV, A.N., red.; SABLINA, T.B.,
red. izd-va; YEGOROVA, N.F., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk
SSSR. Vol.5. [General biology, biogeography, and paleoichth-
yology] Obshchaya biologiya, biogeografiia i paleo-
ikhtiologiya. 1962. 513 p. (MIRA 15:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Kalesnik,
Nikol'skiy Svetovidov).
(Biology) (Geographical distribution of animal and plants)
(Fishes, Fossil)

LINDBERG, G.U.

An attempt to correct the spelling of the generic names in
L.S. Berg's "Classification of fishes both recent and fossil."
Zool. zhur. 42 no.7:1105-1107 '63. (MIRA 17:2)

1. Zoological Institute, Academy of Sciences of the U.S.S.R.,
Leningrad.

LINDBERG, G.U.

Zoogeography of dry land and fluctuations of the ocean level.
Zool. zhur. 43 no. 3:385-397 '64. (MIRA 17:5)

1. Zoological Institute, Academy of Sciences of U.S.S.R., Leningrad.

LINDBERG, G.U.

"Origin of continents and oceans" by D.G.Panov. Reviewed by
G.U.Lindberg. Izv. Vses. geog. ob-va 95 no.4:381-383 Jl-Ag
'63. (MIRA 16:9)

(Continents) (Ocean) (Panov, D.G.)

LINDBERG, G.U.

Biogeography and its significance in solving paleogeographical problems. Zool. zhur. 44 no.1:3-16 '65.

(MIRA 18:4)

1. Zoologicheskiy institut AN SSSR, Leningrad.

ACC NR: AP7000993 (A,N) SOURCE CODE: UR/0439/65/044/009/1433/1436

AUTHOR: Lindberg, G. U

ORG: none

TITLE: Review of the book, Fish dangerous to man

SOURCE: Zoologicheskiy zhurnal, v. 44, no. 9, 1965, 1433-1436

TOPIC TAGS: fish, ichthyology, ~~poisonous fish~~ biologic secretion, toxicology, commercial animal

ABSTRACT: The book, *Fish Dangerous for Man* by S. V. Pigulevskiy is a popular-science handbook describing poisonous and dangerous fish, the nature of their poisons and poison apparatus, and clinical aspects and preventive measures in fish poisoning. The reviewer criticizes many aspects of the book, especially terminology used in the descriptive section and in the figure captions. Poor editing is also criticized. [WA-50; CBE No. 14] [LP]

SUB CODE: 06/ SUBM DATE: none

Card 1/1

UDC:none

11. Dimitri, K.

Notes on the caves of Crete, p. 165

TRAVELER INFORMATION vol. 1, no. 19, Nov. 1955

Yugoslavia

so. EAST TROPICAL AND SUBTROPICAL LIST vol. 5, no. 10 Oct. 1955

LIBRARY

S. Chaplin (British engineer) of Greece. Pl. 1. 1st

PLATEAU OF MACEDONIA vol. 1, no. 43, Nov. 1955

Yugoslavia

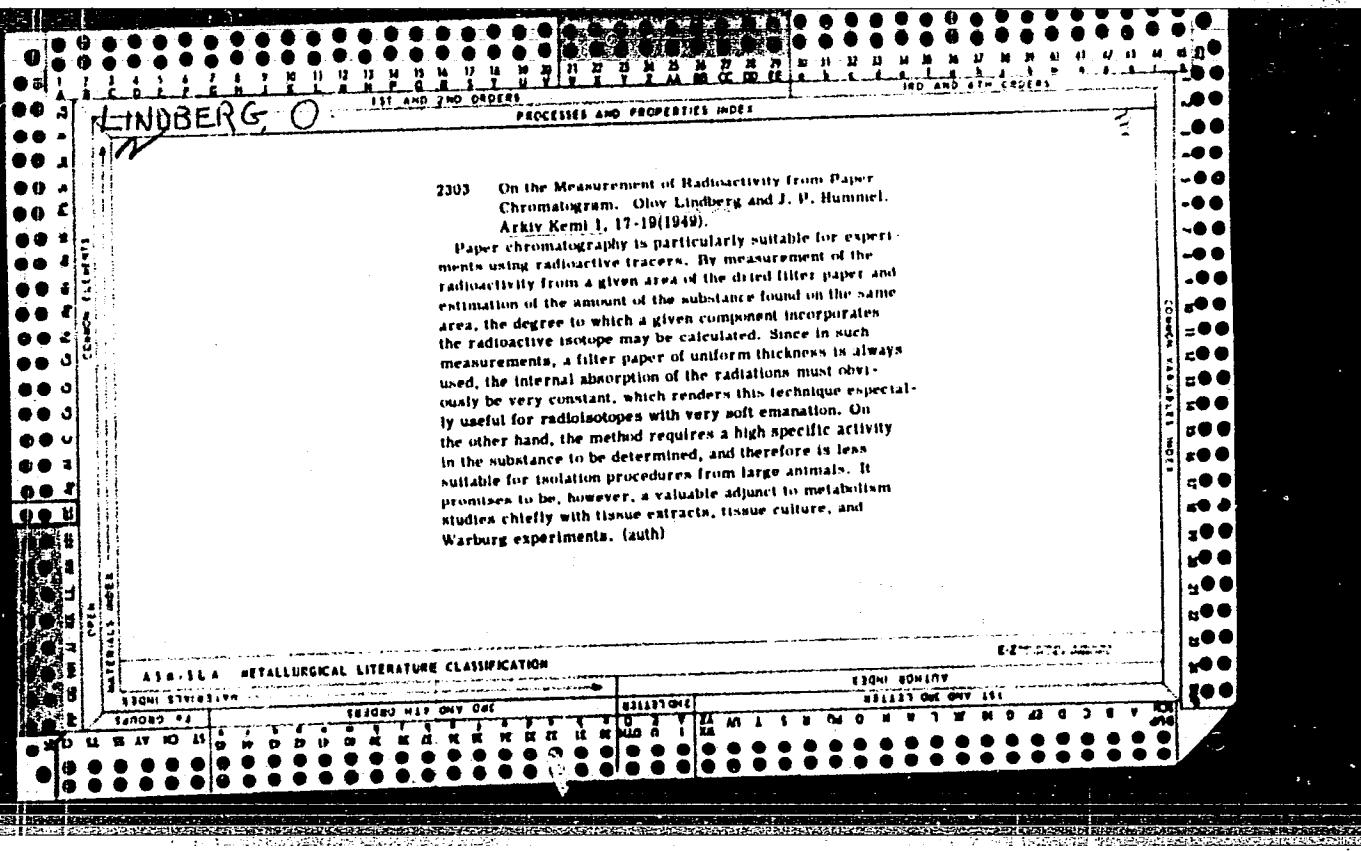
SO. EAST EUROPEAN RECORDS vol. 5, no. 1. Oct. 1956

LINDBERG, L. U.; LEGEZA, M. I.

Gambusia

Systematic aspects of Gambusia, acclimated to the Soviet Union.
Zool. zhur. 31, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, July 1952. ~~XXXX~~, Uncl.



LINDBERG, Ya. [Lindbergs, J.]

Self-service; more evidence in its favor. Obshchestv.pit. no.2:
55-57 F '63. (MIR16:4)

1. Glavnnyy spetsialist ot dela tovarooborota Gosplana Latviyskoy SSR.
(Restaurant management)

LINDBERG, Z. YA.

The amounts of fluorine in the soil and vegetables in the regions near the superphosphate plants. Z. Ya. Lindberg (Med. Inst., Riga). *Voprosy Fiziologii* 15, No. 4, 44-5 (1956).—Wastes of superphosphate-manuring plants enrich the soil around the plants with F; the amt. of F in the soil decreases with the distance from the plants (the soil strata 1 and 15 cm. deep, contained 195 and 12 and 18.5 and 0.6 mg. F/100 g. air-dry soil at the distance of 400 and 2000 m. from a Latvian superphosphate plant, resp.). The vegetables (potatoes, beets, carrots, and cabbage) and the hay harvested in the region showed increased amt. of F; by feeding dairy cows with the hay and the vegetable residues the F content of milk was increased. Human milk, taken from the mothers who worked in the plant and from others who were living 1000-1000 m. from the plant contained from 0.105 to 0.188 and from 0.046 to 0.090 mg. F/100 ml. milk, resp. The milk of the mothers living more than 10 km. from the plant (control) (the soil of the control region was of a similar phys. and chem. comp.) contained only 0.013-0.025 mg. F/100 ml. milk. A high content of F in the vegetables was mainly responsible for occasional outbreaks of fluorosis in the region, since the F content of the drinking water was not greater than 0.3 mg./l. *E. Witzel*